Amendments to the Claims:

1 (Currently Amended). A scanner comprising:

a cold-cathode-tube light source for illuminating a surface of a document;

a photoelectric conversion element for receiving light reflected from the surface of said document and producing an image signal;

a temperature detection circuit for detecting an ambient temperature **at a location away from the cold-cathode-tube light source**; and

a control circuit for controlling a drive signal according to detected ambient temperature, said drive signal illuminating said cold-cathode light source when said document is read.

2. (currently amended) The scanner defined in claim 1, wherein said control circuit controls the current of said drive signal applied on electrodes of said cold-cathode-tube light source based on said **ambient** temperature ~~information~~ upon reading said document.

3. (currently amended) The scanner defined in claim 1, wherein said control circuit controls the voltage of said drive signal applied on electrodes of said cold-cathode-tube light source based on said **ambient** temperature ~~information~~ upon reading said document.

4. (currently amended) The scanner defined in claim 1, wherein said control circuit controls the applied time of said drive signal applied on electrodes of said cold-cathode-tube light source based on said **ambient** temperature ~~information~~ upon reading said document.

5. (currently amended) The scanner defined in claim 1, wherein said control circuit controls the frequency of said drive signal applied on electrodes of said cold-cathode-tube light source based on said **ambient** temperature ~~information~~ upon reading said document.

6. (previously amended) A scanner comprising:

a cold-cathode-tube light source for illuminating a surface of a document;

a photoelectric conversion element for receiving light reflected from the surface of said document and producing an image signal;

an impedance detection circuit for detecting an impedance between electrodes of said cold-cathode-tube light source; and

a control circuit for controlling a drive signal according to detected impedance information, said drive signal illuminating said cold-cathode-tube light source when said document is read.

7 (Currently Amended). A method of controlling a drive signal for illuminating a cold-cathode-tube light source comprising the steps of:

detecting an ambient temperature **at a location away from the cold-cathode-tube light source** and

controlling a drive signal based on said detected ambient temperature, said drive signal illuminating said cold-cathode-tube light source when said document is read.

8. (currently amended) The method of controlling a drive signal for illuminating a cold-cathode-tube light source defined in claim 7, wherein said step of controlling a drive signal controls the current of said drive signal applied on electrodes of said cold-cathode-tube light source based on said **ambient** temperature ~~**information**~~ upon reading said document.

9. (currently amended) The method of controlling a drive signal for illuminating a cold-cathode-tube light source defined in claim 7, wherein said step of controlling a drive signal controls the voltage of said drive signal applied on electrodes of said cold-cathode-tube light source based on said **ambient** temperature ~~**information**~~ upon reading said document.

10. (currently amended) The method of controlling a drive signal for illuminating a cold-cathode-tube light source defined in claim 7, wherein said step of controlling a drive signal controls the applied time of said drive signal applied on electrodes of said cold-cathode-tube light source based on said **ambient** temperature ~~**information**~~ upon reading said document.

11. (currently amended) The method of controlling a drive signal for illuminating a cold-cathode-tube light source defined in claim 7, wherein said step of controlling a drive signal controls the frequency of said drive signal applied on electrodes of said cold-cathode-tube light source based on said **ambient** temperature ~~**information**~~ upon reading said document.